

Corrosion Report

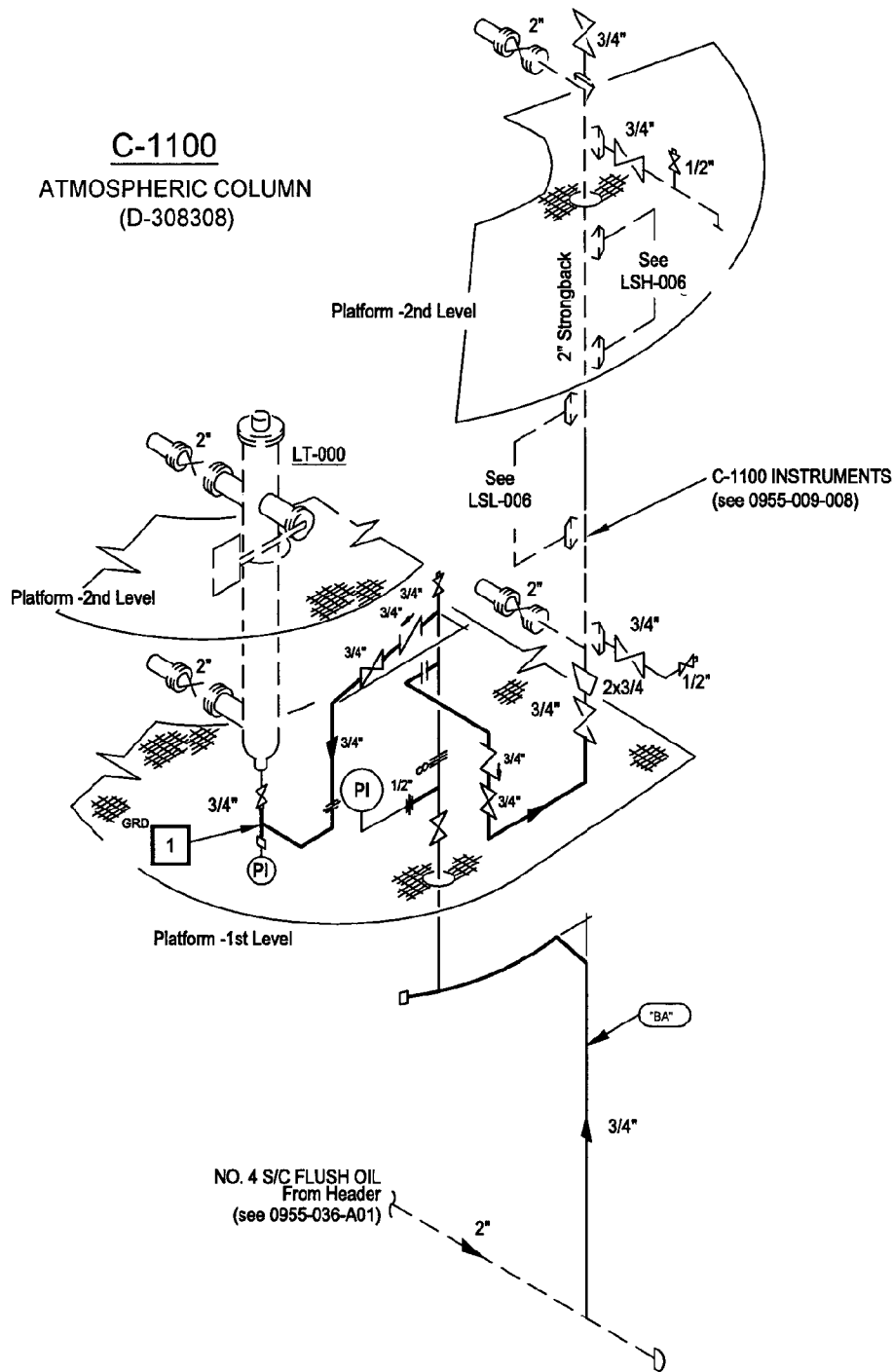


Equipment Location ID 0955-036-A03
Equip. Location Descrip. NO. 4 SC FLUSH OIL TO C-1100

Remaining Life (Years) 42.00
Retirement Date 01/10/2050
Last Inspection Date
Next Inspection Date 01/10/2018
Current Corrosion Rate 5.00

DP ID	MEAS METH	DP STAT	DP SZ	DT TYPE	BASE	MEAS 5	MEAS 4	MEAS 3	NEAR	LAST	MIN VALUE	CCR	REM LIFE
001.R	RT	A	0.75	ELL	0.310 01/08						0.100	5.00	42.00

C-1100
ATMOSPHERIC COLUMN
(D-308308)



NO. 4 S/C FLUSH OIL TO C-1100

REVISION		
1	ADDED INSPECTION ISOMETRIC PER RFMS MAPPING PROJECT. FIELD VERIFIED BY Daniel Kavanagh	PHSC
	06/26/06	TPVA

STATUS: ISO570 COMPLETE		RATING? <input type="checkbox"/> 150# <input checked="" type="checkbox"/> 300#	API-570 <input type="checkbox"/> CLASS I
MATERIAL: C.S.	SERVICE: FLUSH OIL	STM TRACED? <input type="checkbox"/>	<input type="checkbox"/> CLASS II
PIPE CLASS: "AF1"(BA)	PWHT: NO	INSULATED? <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> CLASS III
LINE NAME: NO. 4 S/C FLUSH OIL TO C-1100			
FROM: HEADER			
TO: C-1100			

08/19/2009 MHEE	INSPECTION PIPING ISOMETRIC		
	#36 FLUSH OIL		
	#4 CRUDE UNIT (PLANT 11)		
	DISTILLATION AND REFORMING AREA BUSINESS UNIT		
Z	0955-036-A03	REV	SHT
		1	1



History Brief

For Location ID: 0955-036-A03 in Unit: 0955

Report Date: August 15, 2012

Data Source: Meridium

Brief Data:

Date Not Available:	1/15/2007	Date Available:	01/15/2007
History Brief Date:	02/28/2007	History Brief ID:	VI-0702169875
Event Type:	Repair	In- Service Date:	01/15/2007
Equipment ID:	0955-036-A03	Critical:	M
Asset ID:	1002054657	Reference Material:	
Work Order Nbr:		Incident Event ID:	
History Type:	FXD	Inspection Date:	02/28/2007
Asset Type:	221	Inspection Type:	EVI
Cost Center:	K.DCRR00281		
Unit:	0955 - 4 CRUDE UNIT PLT 11		
Headline:	Fire Damage Assessment/Repaired Damaged Insulation		

Reliability Analysis:

Event Type:	Repair	Worked Performed By:	Chevron Maintenance
Cause Category:	Information	Program Status:	
Effect Category:	Temperature	Maintainable Item:	Pipe Wall
Repair Location:	Field	Permanent Repair WO:	
Temporary Repair:	No	Name:	DANM
Save:		Inspected By:	DANM

Findings:

PCA ID:
Inspectable:
Sub Item:
Part:
Discussion:

Condition:
Action:
Location:
Damage Mechanism:
PCA Work Order No :

Reliability Comments:

On 1/15/07, the # 4 Crude Unit was in the process of plant clean-up for the planned 1Qtr/07 major T/A. Well after feed was removed and approximately 6 hours into the cleanup, the wash oil piping failed where it ties into the P-1165A discharge spool. The leak immediately flashed and impinged on the East/West overhead pipeway between pipe supports 11J-18.5 and 11J-20.5. The fire also impinged on the tubes of the E-1100 A cells causing structural damage, tube failures and a secondary fire. Once the fire was controlled, the fire continued to burn for approximately 8 hours.

A fire damage assessment team determined the fire zones in accordance the API and MTI guidelines. In general, fire zones 5/6 (800 degF plus) were discovered in a 25 foot circumference surrounding the P-1165A. Fire Zone #4 (400-800 degF) extended approximately 10' beyond zone 5/6. Fire Zone #3 (150-400 degF) extended approximately 20' beyond Fire Zone #4. Fire Zone 2 was the area affected by firewater and pump deluge systems. Fire Zone #1 indicated no damage. Structure, electrical, instrumentation and machinery damage were covered by the representatives from the specific disciplines.

This line was located in fire zone 4. Inspection consisted of the following:

1. Visual inspection of the line in the overhead pipeway above the P-1105's. The insulation and jacket were damaged. The pipe was not deformed. Hardness tests were taken with a range of 168-192BHN.
2. Repairs included replacement of the damaged insulation and jacket.

History Brief

For Location ID: 0955-036-A03 in Unit: 0955



Report Date: August 15, 2012

Data Source: Meridium

Inspection performed by Kartig Iyer & Ken Garber.
